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#611-3-07  
MTX

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kotlowski, Kenneth; Tischler, Brett

Title: BUS ARBITRATOR SUPPORTING MULTIPLE ISOCHRONOUS STREAMS IN A SPLIT TRANSACTIONAL UNIDIRECTIONAL BUS ARCHITECTURE AND METHOD OF OPERATION

App. No.: 09/845,455 Filed: 04/30/2001 RECEIVED

Patent No.: n/a Issued: n/a OCT 22 2003

Examiner: n/y/a Group Art Unit: 2661 Technology Center 2600

Atty. Dkt. No.: 1458-P04920

Commissioner for Patents  
 PO Box 1450  
 Alexandria, VA 22313-1450

**REVOCATION AND POWER OF ATTORNEY, CHANGE OF CORRESPONDENCE ADDRESS, APPOINTMENT OF NEW POWER OF ATTORNEY AND STATEMENT UNDER 37 CFR 3.73(B)**

I hereby revoke all previous powers of attorney given in the above-identified application:

X I hereby appoint the practitioners at Customer Number **34456**.

X I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Elizabeth A. Apperley (36,428); Bradley Botsch (34,552); Michael Caywood (37,797); Daniel R. Collopy (33,667); Kent Cooper (37,296); Paul S. Drake (33,491); Keith Witek (37,475); Richard J. Roddy (27,688); Jeffrey G. Toler (38,342); Harry A. Wolin (32,638); John R. Schell (50,776); J. Gustav Larson (39,263); Rita M. Wisor (41,382); Jeffrey S. Abel (36,079); Anna M.J. Teachout (54,486); Russell W. White (45,691)

**CHANGE OF CORRESPONDENCE ADDRESS**

Please change the correspondence address for the above-identified application to the address associated with Customer Number **34456**.

I am the:

\_\_\_\_\_ Applicant/Inventor

X Assignee of record of the entire interest. See 37 CFR 3.71.  
 Statement under 37 CFR 3.73(b) is included.

**STATEMENT UNDER 37 CFR 3.73(b)**

ADVANCED MICRO DEVICES, INC., a Delaware Corporation states that it is the Assignee of the entire right, title and interest in the patent application/patent identified above by virtue of:

1. An assignment from the inventors of the patent application identified above to National Semiconductor Corporation, recorded in the United States Patent and Trademark Office at Reel 011771, Frame 0546, or for which a copy thereof is attached.
2. An assignment of the patent application identified above from National Semiconductor Corporation to Advanced Micro Devices, Inc., executed August 21, 2003, copy attached hereto.

The undersigned, whose title is supplied below, is authorized to act on behalf of the assignee.

Oct. 14, 2003  
Date

512 602 2103  
Telephone No.:

ADVANCED MICRO DEVICES, INC.

  
Paul S. Drake,  
Intellectual Property Portfolio Counsel and  
Assistant Secretary  
Advanced Micro Devices, Inc.

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OCT 22 2003

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DALLAS, TEXAS 75240

PTAS



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/30/2001

REEL/FRAME: 011771/0546  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KOTLOWSKI, KENNETH JAMES

DOC DATE: 04/27/2001

ASSIGNOR:

TISCHLER, BRETT A.

DOC DATE: 04/27/2001

ASSIGNEE:

NATIONAL SEMICONDUCTOR CORPORATION  
2900 SEMICONDUCTOR DRIVE  
SANTA CLARA, CALIFORNIA 95051

SERIAL NUMBER: 09845455

FILING DATE: 04/30/2001  
ISSUE DATE:

PATENT NUMBER:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RECEIVED

JUL 30 2001

DOCKETED

AUG 2 2001

NOVAKOV DAVIS & MUNCK

4-30-01

05-10-2001

FORM PTO-1619A  
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U.S. Department of Commerce  
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110904 U.S. PTO 09845455 04/30/01

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Name (line 1) <input type="text"/> Kenneth James Kotlowski	<input type="checkbox"/> Mark if additional names of conveying parties attached	Execution Date Month Day Year 04 27 2001
Name (line 2) <input type="text"/>	<i>09845455</i>	
<b>Second Party</b>		Execution Date Month Day Year
Name (line 1) <input type="text"/> Brett A. Tischler	04 27 2001	
Name (line 2) <input type="text"/>		

### Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) <input type="text"/> National Semiconductor Corporation	<input type="checkbox"/> If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)		
Name (line 2) <input type="text"/>			
Address (line 1) <input type="text"/> 2900 Semiconductor Drive			
Address (line 2) <input type="text"/>			
Address (line 3) <input type="text"/> Santa Clara	City <input type="text"/> California	State/Country <input type="text"/> 95051	Zip Code <input type="text"/>

### Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name <input type="text"/>
Address (line 1) <input type="text"/>
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05/09/2001 LMUELLER 00000409 140448 09845455

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**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

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Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

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<input type="text"/>	<input type="text"/>	<input type="text"/>

**Patent Number(s)**

<input type="text"/>	<input type="text"/>	<input type="text"/>
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<input type="text"/>	<input type="text"/>	<input type="text"/>

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month  Day  Year

**Patent Cooperation Treaty (PCT)**

PCT  PCT  PCT

Enter PCT application number

only if a U.S. Application Number  PCT  PCT  PCT

has not been assigned.

**Number of Properties**

Enter the total number of properties involved. #

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$

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Enclosed  Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees:

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**Statement and Signature**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

John T. Mockler

Name of Person Signing

  
Signature

4/30/01  
Date

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## ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
P04920

Whereas, I, Kenneth James Kotlowski of Berthoud, CO, hereafter referred to as applicant, have invented certain new and useful improvements in BUS ARBITRATOR SUPPORTING MULTIPLE ISOCHRONOUS STREAMS IN A SPLIT TRANSACTIONAL UNIDIRECTIONAL BUS ARCHITECTURE AND METHOD OF

for which an application for a United States Patent was filed on \_\_\_\_\_  
Application Number \_\_\_\_\_ /  
 for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, National Semiconductor Corporation of Santa Clara, California 95051 herein referred to "assignee" whose post office address is 2900 Semiconductor Drive is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of two dollars (\$ 2.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 27th day of April, 2001  
at Longmont, Colorado.

(Signature)

State of Colorado) SS:County of Boulder)Before me personally appeared said Kenneth James Kotlowskiand acknowledged the foregoing instrument to be his free act and deed this 27th  
day of April, 2001.

Seal

  
Notary Public Seal  
My Commission Expires 02-20-2005

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## ASSIGNMENT OF APPLICATION

Docket Number (Optional)  
P04920

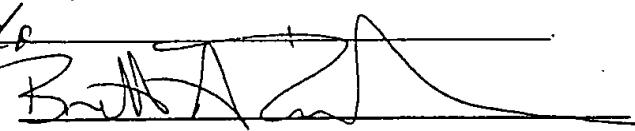
Whereas, I, Brett A. Tischler of Longmont, CO, hereafter referred to as applicant, have invented certain new and useful improvements in BUS ARBITRATOR SUPPORTING MULTIPLE ISOCHRONOUS STREAMS IN A SPLIT TRANSACTIONAL UNIDIRECTIONAL BUS ARCHITECTURE AND METHOD OF

for which an application for a United States Patent was filed on \_\_\_\_\_  
Application Number / \_\_\_\_\_.  
 for which an application for a United States Patent was executed on \_\_\_\_\_, and

Whereas, National Semiconductor Corporation of Santa Clara, California 95051 herein referred to "assignee" whose post office address is 2900 Semiconductor Drive is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of two dollars (\$ 2.00), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

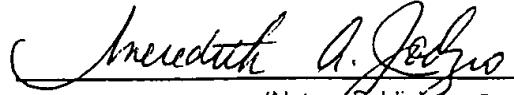
Executed this 27th day of April, 2001,  
at Longmont, Colorado



(Signature)

State of Colorado, SS:  
County of Boulder)Before me personally appeared said Brett A. Tischler  
and acknowledged the foregoing instrument to be his free act and deed this 27th  
day of April, 2001.

Seal

  
My Commission Expires 02-20-2005

## ASSIGNMENT OF PATENT RIGHTS

This ASSIGNMENT OF PATENT RIGHTS, dated August 21, 2003 (this "Agreement"), is entered into by National Semiconductor Corporation and its Subsidiaries (as defined below) (collectively, "Assignor"), with and for the benefit of Advanced Micro Devices, Inc. ("Assignee"). For the purpose of this Agreement, "Subsidiary" means, with respect to a party, any corporation, company, or other entity, more than fifty percent (50%) of whose outstanding shares or securities (representing the right to vote for the election of directors or other managing authority) are, now or hereafter, owned or controlled, directly or indirectly by a party hereto, but such corporation, company or other entity shall be deemed to be a "Subsidiary" only so long as such ownership or control exists.

WHEREAS, Assignor has agreed to sell and assign, and Assignee has agreed to buy and acquire all of Assignor's rights, title and interests in and to the Assigned Patent Applications set forth in Exhibit A attached hereto (the "Assigned Patent Applications").

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns and transfers to Assignee any and all worldwide rights, title and interests Assignor holds, or may hold, in and to the Assigned Patents, together with all rights derived therefrom, including but not limited to the right to sue for and collect damages for past, present and future infringement.

Assignor further agrees that, should additional or further documentation of the assignment be required for whatever reason, Assignor will, without further consideration, provide or execute such other information or documents as may be necessary upon Assignee's reasonable request.

This Agreement shall be binding on and shall inure to the benefit of, the parties hereto and their respective successors and assigns. This Agreement will be governed by, and construed in accordance with, the internal laws of the State of California applicable to contracts executed and performed entirely therein, without regard to the principles of choice of law or conflicts or law of any jurisdiction. If any term or other provision of this Agreement is invalid, illegal or incapable of being enforced by any rule of law or public policy, all other conditions and provisions of this Agreement will nevertheless remain in full force and effect so long as the economic or legal substance of the transactions contemplated hereby is not affected in any manner materially adverse to any party. Upon such determination that any term or other provision is invalid, illegal or incapable of being enforced, the parties hereto will negotiate in good faith to modify this Agreement so as to effect the original intent of the parties as closely as possible in a mutually acceptable manner in order that the transactions contemplated hereby be consummated as originally contemplated to the greatest extent possible. This Agreement may be executed in one or more counterparts, and by the different parties hereto in separate counterparts, each of which when executed will be deemed to be an original but all of which taken together will constitute one and the same agreement.

IN WITNESS WHEREOF, Assignor has caused this Assignment of Patent Rights to be executed by its duly authorized representatives effective as of the date first written above.

NATIONAL SEMICONDUCTOR CORPORATION

By:

Name: John M. Clark III

Title: Senior Vice President and Secretary

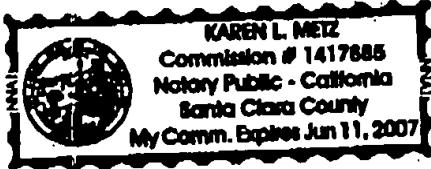
STATE OF California

COUNTY OF Santa Clara

On this 21st day of August, 2003, before me, a Notary Public in and for said State, personally appeared John M. Clark III, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS, my hand and official seal.

Karen L. Metz  
Notary Public



## EXHIBIT A

Docket Number	Sub Case	Title	Inventors	Status	File Date	Serial No.	Issue Date	Pat Number
P64526		BUS ARBITRATOR SUPPORTING MULTIPLE ISOCRONOUS STREAMS IN A SPLIT TRANSACTIONAL UNIDIRECTIONAL BUS ARCHITECTURE AND METHOD OF OPERATION	KOTLOWSKI KENNETH TISCHLER BRETT	Filed	04/30/2001	09/84545		